

Species Tag:	33001	Species Name:	HO2
Version:	3		Hydroperoxyl radical
Date:	Mar. 1996		X ² A''
Contributor:	H. S. P. Müller		

Lines Listed:	21954	Q(300.0)=	4375.7031
Freq. (GHz) <	9999	Q(225.0)=	2841.7306
Max. J:	41	Q(150.0)=	1547.2823
LOGSTR0=	-7.5	Q(75.00)=	548.4641
LOGSTR1=	-8.5	Q(37.50)=	195.1806
Isotope Corr.:	0	Q(18.75)=	70.2146
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	27.5930
μ_a =	1.412	A=	610273.
μ_b =	1.541	B=	33514.
μ_c =		C=	31672.

The data were obtained from A. Charo and F. C. De Lucia, 1982, J. Mol. Spect. **94**, 426; Y. Beers and C. J. Howard, 1975, J. Chem. Phys. **63**, 4121; S. Saito, 1977, J. Mol. Spect. **65**, 229; K. V. Chance, K. Park, K. M. Evenson, L. R. Zink, and F. Stroh, 1995, J. Mol. Spect. **172**, 407; and FIR lines from A. von Bargaen, M. Birk, and G. Wagner, DLR, to be published. The spectrum was computed using a full diagonalization of the spin-rotation Hamiltonian.